



WATER MANAGEMENT MONTHLY REPORT

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Prepared by: U.S. Army Engineer Division,
Great Lakes and Ohio River, PO Box 1159,
Cincinnati, OH 45201-1159

RESERVOIR OPERATION AND SYSTEM STATUS FOR OCTOBER 2003

HIGHLIGHTS – Cairo stage began the month at 22.4 feet and ended at 17.4 feet with a low stage of 12.3 on the 14th. Basin conditions were somewhat drier this month than previous months but flows have continued above normal. Reservoirs are generally all in the drawdown phase preparing for winter flood control conditions.

WEATHER –The weather during October was closer to normal than it has been for many months. Temperatures averaged slightly below normal over the northern areas of the basin and slightly above normal to the south. Precipitation was generally below normal. Some spotty areas of southern Indiana, western Kentucky, western Ohio, Pennsylvania and West Virginia received normal to slightly above normal rainfall. Tennessee was particularly dry during this month with much of the state receiving less than half the expected rainfall.

TEMPERATURE AND PRECIPITATION – OCTOBER 2003

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	50.5	-2.0	2.57	+0.32
Charleston, WV	54.8	-0.3	2.46	-0.21
Columbus, OH	52.8	-1.9	1.78	-0.53
Cincinnati, OH	54.5	-1.2	2.11	-0.85
Louisville, KY	57.8	-0.7	2.24	-0.55
Indianapolis, IN	54.5	-0.1	2.68	-0.08
Evansville, IN	57.6	+0.3	1.61	-1.17
Nashville, TN	60.6	+0.7	1.80	-1.07

STREAMFLOW -- Ohio River monthly average flows for October ranged from a low of 226 percent of normal at Paducah, KY to a high of 327 percent of normal at Louisville, KY. Daily flows ranged from a low of 125 percent of normal at Pittsburgh, PA to a high of 515 percent of normal at Louisville, KY.

The following table presents the flow data summary for October at the Ohio River Index Stations:

FLOW DATA – OCTOBER 2003

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	30,500	253	398	125
Huntington, WV	68,400	279	404	163
Cincinnati, OH	78,000	287	474	154
Louisville, KY	92,200	327	515	160
Evansville, IN	93,000	281	447	130
Paducah, KY	187,000	226	332	147

RESERVOIRS -- October started with 2.8% utilization of the total system flood control storage and ended the month at 2.9%. System-wide augmentation storage started at 98.1% at the beginning of the month and was at 94.0% by the end of the month. Significant flood storage utilization in excess of 25 occurred only at Kirwan and Berlin.

The following table depicts storage change by tributary reservoir subsystem for October:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-241,300
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-51,400
Twelvepole-Big Sandy-Little Sandy-Scioto	-65,600
Little Miami-Licking-Mill Creek-Great Miami	-24,400
Kentucky-Salt-Green-Wabash	-300,800

Cumberland	-882,800
TOTAL	-1,566,300

LYN C. RICHARDSON, P.E.
Chief, Technical Engineering & Construction Div.